

AMENDMENTS TO THE CLAIMS

CLAIMS 1-61 (Cancelled)

62. (New) A method of obtaining security and audit ability in an on-line system, the method comprising the steps of:

- generating a random number by means of a random number generator,
- providing a sequence number for each of the random numbers generated so as to create a random number - sequence number pair,
- storing the created random number - sequence number pair in a storage means,

the method further comprising the step of, at a chosen time, verifying stored random number - sequence number pairs, so as to ensure that every stored random number - sequence number pair is an authentic random number - sequence number pair.

63. (New) A method according to claim 62, wherein the storing step is performed by storing the random number - sequence number pair in a storage means with limited access.

64. (New) A method according to claim 62, wherein access to the limited access area(s) can only be obtained by one or more authorised persons.

65. (New) A method according to claim 62, wherein the limited access area further generates a transaction log comprising:

- a timestamp,
- a game-id,
- a customer-id,
- a sequence number, and
- a random number,

wherein the transaction log is stored in a second limited access area.

66. (New) A method according to claim 62, wherein the limited access area further comprises a prize table.

67. (New) A method according to claim 62, wherein the transaction log is used to audit transactions in an online system by one or more audit processes performed by audit processing means.

68. (New) A method according to claim 62, further comprising the step of issuing a ticket comprising information relating to the sequence number.

69. (New) A method according to claim 68, wherein the on-line system is a lottery, and the issued ticket is a lottery ticket.

70. (New) A method according to claim 69, wherein the ticket further comprises information relating to a winning/no winning category of the ticket.

71. (New) A method according to claim 69, wherein the step of issuing a ticket is based upon the random number and a probability table, the method further comprising the step of updating the probability table in response to the issued ticket, so as to maintain an at least substantially fixed winning/no winning ratio.

72. (New) A method according to claim 62, wherein the on-line system is an encryption system.

73. (New) A method according to claim 62, further comprising the step of alerting an operator in case the verifying step results in the discovery of one or more non-authentic random number - sequence number pairs.

74. (New) A method according to claim 62, wherein the verifying step comprises the steps of:

- checking whether a given random number - sequence number pair has previously been stored in the storage means,
- marking said given random number - sequence number pair as a true pair in case it has previously been stored in the storage means, and
- alerting an operator in case the given random number - sequence number pair has not previously been stored in the storage means.

75. (New) A secure and auditable on-line system comprising:

- a random number generator,
- means for providing a sequence number for each generated random number, so as to create a random number - sequence number pair,
- storage means for storing the created random number - sequence number pair,
- verifying means for verifying, at a chosen time, stored random number - sequence number pairs against a transaction created in the online system, so as to ensure that every stored random number - sequence number pair is an authentic random number - sequence number pair.

76. (New) An on-line system according to claim 75, wherein the storage means has limited access.

77. (New) An on-line system according to claim 75, wherein access to the limited access area(s) can only be obtained by one or more authorised persons.

78. (New) An on-line system according to claim 75, wherein the first storage means further comprises means for generating a transaction log and a get list.

79. (New) An on-line system according to claim 75, wherein the transaction log is stored in a second storage means.

80. (New) An on-line system according to claim 75, wherein the data stored in the first storage means is used to audit transactions in a online system by an audit processing means.

81. (New) An on-line system according to claim 75, wherein the data stored in the second storage means can be used to audit transactions in a online system by an audit processing means.

82. (New) An on-line system according to claim 75, wherein the first storage means, second storage means and the audit processing means are concealed in a certification zone.

83. (New) An on-line system according to claim 75, further comprising means for issuing a ticket comprising information relating to the sequence number.

84. (New) An on-line system according to claim 83, wherein the on-line system is a lottery, and the issued ticket is a lottery ticket.

85. (New) An on-line system according to claim 83, wherein the ticket is issued based upon the random number and a probability table, the on-line system further comprising means for updating the probability table in response to the issued ticket, so as to maintain an at least substantially fixed winning/no winning ratio.

86. (New) An on-line system according to claim 75, wherein the on-line system is an encryption system.

87. (New) An on-line system according to claim 75, further comprising means for alerting an operator and an auditor in case the verification results in the discovery of one or more non-authentic random number - sequence number pairs.

88. (New) An on-line system according to claim 75, wherein the verifying means further comprises:

- means for checking whether a given random number - sequence number pair has previously been stored in the storage means,
- means for marking said given random number - sequence number pair as a true pair in case it has previously been stored in the storage means, and
- means for alerting an operator in case the given random number - sequence number pair has not previously been stored in the storage means.

89. (New) A device for providing security and audit ability in an on-line system, the device comprising:

- a random number generator,
- means for providing a sequence number for each generated random number, so as to create a random number - sequence number pair,
- storage means for storing the created random number - sequence number pair,
- verifying means for verifying, at a chosen time, stored random number - sequence number pairs against a transaction created in the online system, so as to ensure that every stored random number - sequence number pair is an authentic random number - sequence number pair,

the verifying means further comprising:

- means for checking whether a given random number - sequence number pair has previously been stored in the storage means,
- means for marking said given random number - sequence number pair in the online system as a true pair in case it has previously been verified against the random number - sequence number pair in the evidence storage means.
- means for alerting an operator in case the given random number - sequence number pair has not previously been verified,

wherein the storage means and the random number generator have limited access.

90. (New) A computer program product for obtaining security and audit ability in an on-line system, the program being adapted to:

- generate a random number by means of a random number generator,
- provide a sequence number for each of the random numbers generated so as to create a random number - sequence number pair,
- store the created random number - sequence number pair in a first storage means,

the program further being adapted to verify stored random number - sequence number pairs, so as to ensure that every stored random number - sequence number pair is an authentic random number - sequence number pair.

91. (New) The computer program product of claim 90, wherein a transaction log is generated, the transaction log comprising:

- a timestamp,
- a game-id,
- a customer-id,
- a sequence number, and
- a random number,

wherein the transaction log is stored in a second storage means..

92. (New) The computer program product of claim 90, wherein the online generated information in a first storage means and a second storage means is used to audit transactions in the online system by one or more audit processes performed by an audit processing means.